EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 03055510
PUBLICATION DATE : 11-03-91

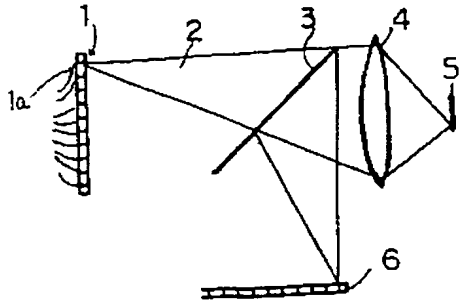
APPLICATION DATE : 25-07-89
APPLICATION NUMBER : 01190661

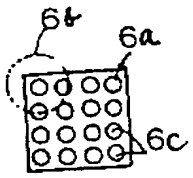
APPLICANT : SUMITOMO CEMENT CO LTD;

INVENTOR : TAKEDA SHIGETO;

INT.CL. : G02B 21/00

TITLE : COFOCAL TYPE OPTICAL MICROSCOPE





ABSTRACT : PURPOSE: To eliminate a decrease in the resolution even when an image is obtained almost in a real time and to reduce the cost by using plural light sources which are arranged one or two dimensionally as a light source and arranging photodetectors or their opening linearly or two dimensions corresponding to the light sources.

CONSTITUTION: The light sources which are arranged substantially one or two dimensionally are used as the light source 1 and the photodetectors 6 or their openings 6a and 6c are arranged linearly or two dimensions corresponding to them. When a fast scan is made with the light sources, the load on a deflecting element can be reduced. In the most extreme case, light sources are integrated as many as desired picture elements and images of one or plural photodetector which has a photodetector matrix or opening matrix corresponding to the number of the light sources are obtained. Consequently, even when the image is obtained almost in real time, a luminous flux deflecting element which moves a reflecting mirror and a prism mechanically is usable, so the resolution does not decrease and the cost is reducible.

COPYRIGHT: (C)1991,JPO&Japio